WBD512

802.11b Wireless USB Adapter AND Removable Disk

The **WBD512** is a multifunctional USB adapter that can operate as an 802.11b Wireless USB adapter and a USB Removable Disk.

When used as a wireless USB Adapter, the **WBD512** enables you to get instant wireless networking whenever and wherever you need it, turning your desktop or laptop PCs into a wireless network. The **WBD512** complies with USB1.1 specifications. It provides a data rate up to 11 Mbps.

Besides being a wireless adapter, the **WBD512** can be also used as a USB removable drive. With **WBD512** plugged into your computer's USB port, you're ready to share transport files between work and home.

The **WBD512** integrates wireless LAN and storage disk into one device, making your investment a real rewarding and smart one.

FEATURES

- Complies with IEEE 802.11b standard for 2.4GHz Wireless LAN.
- Complies with USB 1.1
- Supports true Plug & Play and hot swap.
- High-power Bus-power no external power is required
- Capable of up to 128-Bit WEP Encryption
- Freedom to roam while staying connected.
- 11 Mbps High-Speed Transfer Rate for Wireless LAN.
- Support build-in Flash Memory with capacities of 64MB, 128MB, 256 MB and 512MB.
- No external power is required.
- Complies with Window 98/2000/ME/XP.

SPECIFICATION

General Specifications	
Interface	USB1.1
Power Requirement	Operating Voltage: 5V DC ▪ TX consumption: 330 mA (Max) ▪ RX consumption: 230 mA (Max)
Physical Specifications	▪ Weight: 30 g ▪ Dimension: Dimension: 92 (L) x 32.6 (W) x 18 (H) mm
Environment Specifications	▪ Operating Temperature: 0 ~ 50 ℃ ambient temperature ▪ Storage Temperature: -20 ~ 70 ℃ ambient temperature ▪ Operating humidity: 90 % maximum (non-condensing) ▪ Storage humidity: 90% maximum (non-condensing)
Supported OS	Windows 98/ME/2000/XP
EMC Certification	▪ FCC Part 15 in US ▪ EN300328 and EN300826 (EN301489-17) in Europe
Wireless Specifications	
Standards	IEEE 802.11b
Chipset	ZyDAS ZD1201
Antenna Type	PCB Printed
LED Indicators	▪ Link/ACT ▪ Power
Frequency Range	2.412GHz-2.4835GHz
Number of Selectable Channels	USA, Canada: 11 channels Europe: 13 channels Japan: 14 channels
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)
Security	0/64/128 bit WEP
Spreading	11 chip Barker sequence
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Output Power (Typical)	15 dBm
Sensitivity	-83 dBm@1Mbps -83 dBm@2Mbps -83 dBm@5.5Mbps -80 dBm@11Mbps
Flash Disk Specifications	
Capacity	Available in 64MB, 128MB, 256 MB and 512MB
Speed	Up to 12Mbps at "Full Speed"
Erase cycles	▪ Up to 1,000,000 times erase-rewrite ▪ Data retention up to 10 years